Lakelse Specification Planning Dashboard

- Reference Model
- Reference Architecture 1
- Reference Architecture 2

Reference Model

Issue #	Deliverable	Comments
2420	Network semantics (FINALISED)	PR#2572 MERGED, linked to RA-2 PR#2573 ISSUE#2420 CLOSED Priority: **To be included in this Release**
2314	Multi-Cloud security (FINALISED)	PR# 2616, 2594, 2595, 2596 MERGED Issue#2314 CLOSED Policy synchronization, monitoring, automation, access management, alignment with GSMA FS.40 Priority: **To be included in this Release**
2481	Add requirements to fix vulnerabilities (FINALISED)	PR#2620 MERGED Issue#2481 CLOSED Add requirements to fix high severity rating vulnerabilities. For IaaC, to complement req.sec.run.001 For OSS, to complement and to align with RA1 modifications Priority: **To be included in this Release**
2482	Clarify security requirements (FINALISED)	PR#2633 MERGED ISSUE#2482 CLOSED Clarify IaaC requirments req.sec.bld.003: break into 2 requirements req.sec.del.001: replace "container scanning" by "container image scanning" in example Priority: **To be included in this Release**
2540	Add NIST reference for service mesh security (FINALISED)	PR#2655 MERGED ISSUE#2540 CLOSED Include NIST SP 800-204B as security reference (7-10) for service mesh security. Develop on service mesh security if necessary. Priority: **To be included in this Release**
2541	Security requirements for production and non-production environments (FINALISED)	PR#2658 MERGED #2660 MERGED ISSUE#2541 CLOSED Differentiate security requirements for production and non-production environments, especially in logging and monitoring section 7.9.7 Priority: **To be included in this Release**
2542	Elaborate on SBOM (FINALISED)	PR#2657 MERGED ISSUE#2542 CLOSED Provide guidance on standards for communicating SBOM (Software Bill of Material) information Priority: **To be included in this Release**

2056	Storage: enhance content (FINALISED)	PR#2566, 2568 merged ISSUE#2056 CLOSED Develop a model that fits all workloads storage requirements. Priority: **To be included in this Release**
2575	Add General Storage Model (FINALISED)	PR#2659 MERGED, PR#2661 MERGED ISSUE#2575 CLOSED Add General Storage Model to Storage Chapter 3.6 Priority: **To be included in this Release**
2576	Align Storage Content (FINALISED)	PR#2671 MERGED ISSUE#2576 CLOSED Align Storage content in Chapter 4 with updated storage section (Chapter 3.6) Priority: **To be included in this Release**
2577	Align Chapter Storage Content	PR#2671 MERGED ISSUE#2577 CLOSED Align Storage content in Chapter 5 with updated storage section (Chapter 3.6) Priority: **To be included in this Release**
2568	Update Ch 8 Multi- and Edge-Cloud (FINALISED)	PR#2629 MERGED ISSUE#2568 CLOSED Update focus will be to cover the interactions across federation. This will cover: • Account Management • Connectivity Management • Resource Management • Appls / VNFs Management • End User Transaction / Conversation across Cloud Priority: **To be included in this Release**
2574	Add Multi-Cloud Interaction Model (FINALISED)	PR#2629 MERGED ISSUE#2574 CLOSED Add Multi-Cloud Interactions Model to elaborate on section 8.2 Cloud Services Broker & Cloud Resources Broker which manage interactions across the federation. Priority: **To be included in this Release**
2578	Storage for Multi-Cloud	Update Multi-Cloud Section to include Storage section Priority: **Moved to the next release**
2342	Hardware acceleration updates (FINALISED)	PR#2592, 2593, 2641 MERGED ISSUE#2342 CLOSED Address feedback from LFN D&TF (June 2021) including ORAN WG6 AAL alignment Priority: **To be included in this Release**
2567	PaaS services inclusion (FINALISED)	PR#2631 MERGED ISSUE#2567 CLOSED Anuket and XGVELA alignment, based on the results from the survey Priority: **To be included in this Release**
2087	Infrastructure LCM Automation (9.5.1)	Initial contents and alignment with ORAN WG6 Infrastructure Services Priority: **Nice to include in this Release**– **backlog for next release**

2589	Elaborate on image security (FINALISED)	PR#2633 MERGED ISSUE#2589 CLOSED Add requirements and recommendations into chapter 7, section 7.9.5. Develop content for section7.5 Priority: **To be included in this Release**
2585	HW Acceleration/Offload API requirements (FINALISED)	Issue closed by PR#2592 ISSUE#2585 CLOSED Write more detailed requirements for HW Acceleration/Offload API requirements. Priority: **To be included in this Release**

Reference Architecture 1

Issue #	Deliverable	Comments
2495	Upgrade to OpenStack Wallaby release	Priority: **To be included in this Release** **Ch01: PR #2634 Merged** **Ch02: PR #2635 Merged** **Ch03: PR #2636 Merged** **Ch04: PR #2637 Merged** **Ch06: PR #2640 Merged** **Ch07: no changes** **Ch08: PR #2647**
2496	Add Cyborg as a Optional Core Service (a la Ironic)	Priority: **To be included in this Release** Include RM updates. Link to RA1 Issue #2239 **PR #2648**
2497	Standardise on use of the term "server" for physical, VM or container	Priority: **To be included in this Release** **Issue #2497** **PR #2674**
2498	Add/Change requirements and content around containers as per OpenStack evolution	Priority: **To be included in this Release** **Review completed and no changes required/ Issue closed**
2588	Elaborate on image security	Priority: **To be included in this Release** **PR #2655**
2499	Add requirements around the use of OpenStack APIs for Edge, Hybrid and Multi-clouds	Priority: **Nice to include in this Release – backlog for next release**
2500	Update Requirements and Content for Edge	Priority: **Nice to include in this Release – backlog for next release**
TBD	Update Requirements and Content for Hybrid Multi-cloud: OpenStack Omni	Priority: **Low Priority for this Release – backlog for next release**
2238	Align with RM Automation Ch09 - RM Issue #2087	Priority: **Nice to include in this Release – backlog for next release**

2045	Storage Content Improvements	Improve content and align with new RM content
		Priority: **Nice to include in this Release – backlog for next release**

Reference Architecture 2

#	Deliverable	Comments
2509	Upgrade to Kubernetes 1.22	Priority: **To be included in this Release** Status: PR 2587 Merged
2302	Alignment with RM - edge cloud	Priority: **Nice to include in this Release** Status: backlog for next release
2189	Alignment with RM - SFC	Priority: **Nice to include in this Release** Status: backlog for next release
2483 2337 2301 992 2582 2591	Alignment with RM - security	Priority: **To be included in this Release** Status: PRs 2673 , 2662 , 2525 merged
2440 2341	Explicitly list Kubernetes APIs and Feature support	Priority: **To be included in this Release** incl. supported features APIs and objects & Sync SIG Features tables with ch4 specs & add policy (ga and beta, no alpha) Status: PR 2651 merged
2510 993 2254 1878	Multitenancy, workload isolation and Namespaces	Priority: **To be included in this Release** describe how to use what we have already Status: PR 2672 merged
2253	Implementation-agnostic CNI multiplexers (incl. API)	Priority: **To be included in this Release** if an implementation-agnostic solution to have generic pod manifests that work with all possible multiplexers can be found, RA2 should mandate it, otherwise state alternative way out (ie operators to pick an implementation) Status: PR 2573 merged
2511	CNF packaging	Priority: **Nice to include in this Release** Deployment level - helm etc. NFVO level - TOSCA / SOL1/SOL4 v4 / ONAP CSAR + ASD ? Status: backlog for next release
2453	Add K8s service type specs	Priority: **To be included in this Release** For primary interfaces, ServiceTypes/NodePorts/LoadBalancers Status: PR 2628 merged
2464 2331	Enhance CaaS-on-VM specs	Priority: **Nice to include in this Release** **hypervisor-layer specs to support caas clusters made with VM-based nodes** Status: backlog for next release